```
PS/8 NEWSLETTER
                                                                           CINGLE ENTRY ONLY!
                                                                  0
                                                          MTA,
                                                                  RDF
Submissions should be sent to:
                                                                  TAD CDFCIF
                                                                  DCA ERROR
                                                                                AWAT IS THE FIELD WE'RE IN?
     J. C. Alderman
                                                                  RIF
     Georgia Tech Research Reactor
                                                                  TAD KCDF
     900 Atlantic Drive, N.W.
                                                                  DCA MFIELD+1
     Atlanta, Georgia 30318
                                                                  TAD I HTA
                                                                  DCA MTFUNC
                                                                  ISZ MYA
RECENT CONTRIBUTIONS:
                                                                  TAD I MTA
                                                                  DCA MTADDR
MAGTAPE HANDLER FOR PS/8 (7 TRACK, TC-58)
                                                                  ISZ MTA
  by J. Alderman
                                                                  TAD T MTA
     Georgia Tech Research Reactor
                                                                  DCA BLOCK
     900 Atlantic Drive, N.W.
                                                                  ISZ MTA
     Atlanta, Georgia 30318
                                                                  JMS MFIELD
                                                                  MCAF
                                                                               /POWER CLEAR TAPE CONTROL.
The program for the Handler is given along with
a flow chart. The Magtape must be formatted and
                                                                  TAD MTFUNC
two FOCAL formatter programs are also given.
                                                                  AND $3700
                                                                               /SAVE PAGECOUNT.
                                                                  CLL RTL
/MTA HANDLER FOR PS/8 MONITOR
                                                                  RTL.
/DIRECTORY VERSION, IN ONE PAGE!
                                                                  RTL
                                                                               /BLOCKS IN ACC, EVEN/ODD IN
                                                                               /LINK.
/EACH "BLOCK" ON TAPE CONSISTS OF 3 RECORDS.
                                                                               /SKIP IF EVEN # PAGES
                                                                  SZL
        1. A SINGLE WORD RECORD CONTAINING THE
                                                                  IAC
           BLOCK NUMBER.
                                                                  CIA
                                                                  DCA BLCNTR /A WELL-ROUNDED COUNT!
        2. 256 or 128 WORDS OF DATA.
                                                                  SZL
                                                                               /SKIP IF EVEN # PAGES.
                                                                  TAD BLCNTR
        3. AN END-OF-FILE RECORD (EOF=17)
                                                                  DCA HALFBLOCK /WATCH THIS, IT IS SUPER-
                                                                                  TRTCKY!
                                                                  JMP NEXTBL
/THERE IS A TAPE FORMATTER PROGRAM (WRITTEN IN
                                                          SEARCH, SMA
                                                                               /FIND THE BLOCK.
/FOCAL !!) TO
                                                                  JMP NEXTBLOCK-1
/FORMAT A TAPE WITH THE REQUIRED BLOCK STRUCTURE.
                                                                  TAD (-1
                                                                  DCA BCNTR
/NOTE: BECAUSE OF THE WAY THE FORMATTED TAPE IS
                                                                  STA CLL RTL /-3
/CENERATED.
                                                                  TAD BLOCK
/EACH "BLOCK" (GROUP OF 3 RECORDS AS DESCRIBED
                                                                  SNL CLA
                                                                               /SKIP IF BLOCK< 3
/ABOVE)
                                                                  JMP SPACE
/IS ONLY 3.75 INCHES LONG. THUS A 200' REEL OF
                                                                  DCA BENTR
/TAPE
                                                                  TAD (REWIND-READ
/WILL CONTAIN 640 BLOCKS.
                                                                  JMP NEXTBLOCK
                                                                  TAL (REVERSE-READ
                                                          SPACE,
                                                                   JMS MOVE
/ASSEMBLY PARAMETERS
                                                          P200,
                                                                   200
                                                          PREAD,
                                                                    READ
EOF=
        0100
                                                          MIWC,
                                                                   7752
FORWAR= 0060
                                                                   EOF
REVERS= 0070
                                                                  ISZ BCNTR
                                                                               /SKIP IF FINISHED SPACING
REWIND= 0010
                                                                  JMP SPACE
WRITE= 0040
                                                                  CLA CLL
        3766
TEST=
                                                                  JMS MOVE
                                                          NEXTBL,
        0020
READ=
                                                                    1
                                                          MTCA,
                                                                    7753
/MAGTAPE IOT'S
                                                          BCNTR,
                                                                    n
                                                                               /COUNTS BLOCK-SPACING, ALSO 0.
                                                                   TEST
MTSF=6701
```

MTLOOP, CDF

TAD I MTCA

JMS MFIELD

TAD BLOCK

JMP SEARCH

TAD P200

TAD P200

DCA MTADDR-1

CIA CLL

SZA.

MTCM=6714

MTCR=6711

MTTR=6721

MTAF=6712

MTRC=6724

MTLC=6716

MTRS=6706

MTG0=6722

MCAF=6732

***7200**

/ENTRY

JMP NEXTBLOCK /BLOCK RECORD INCORRECT.

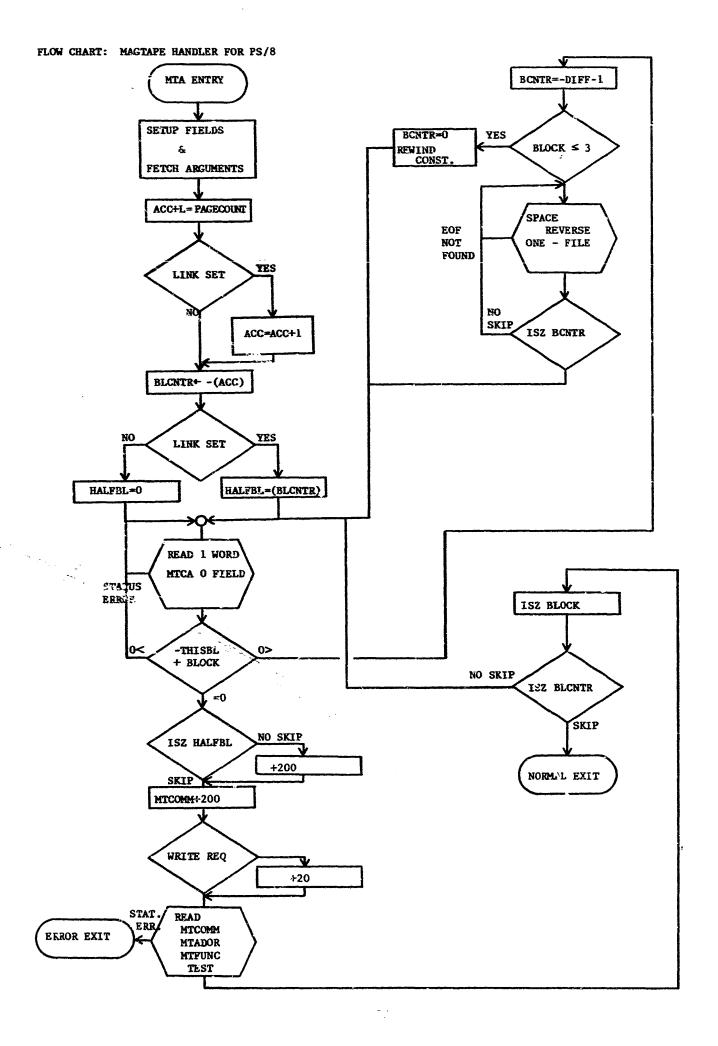
ISZ HALFBLOCK /SKIP IF LASTBLOCK AND #

/FULL BLOCK.

/PAGES IS OD

/SKIP IF BLOCK FOUND.

```
TAD MTFUNC /GET FUNCTIONWORD AGAIN.
                                                           MAGTAPE FORMATIER FOR FOCAL UIOF
        SPA CLA
                    /SKIP IF READ IS FUNCTION
        TAD PREAD
                                                           C-UIOF 7AUG 69
        JMS MOVE
MTCOMM.
         400
                                                           01.01 C GETS PARAMETERS FOR TAPE
                                                           01 10 T !"LENGTH OF PAPE IN FEET
MTADDR,
         0
                     /ADDRESS OF DATA.
MITFUNC,
         0
                    /FUNCTIONWORD.
                                                           C1.20 A LE; S LE=(LE*12/3.75)-1; I (LE-4095)1.3; S
         TEST
                                                                   LE=4095
        JMP ERROR
                    TRANSFER BOMBED.
                                                           01.30 D 11;S I=0;D 15;D 14;D 15;S I=1;D 14
                                                           01.40 S Z=FDXS(4096,4095)+FDXS(4097,7)+FDXS(4098,0)
        TAD MTADDR
        TAD MTADDR-1 /UPDATE LATA ADDRESS.
                                                                   +FDXS (4099,0)
                                                           01.50 S Z=FDXS(4100,0)+FDXS(4101,0)
        P.CA MTADDR
                                                           01.60 S Z=FDXS(4102,4103-LE)+FDXS(4074,3840)+
        ISZ BLOCK
                    /STEP TO NEXT BLOCK IN FILE.
        ISZ BLCNTR /SKIP WHEN TRANSFER COMPLETE.
                                                                   FDXS(4075,4095)
        JMP NEXTBLOCK
                                                           01.70 D 14.2;D 13;D 15;F I=2,LE;D 14;D 15
                                                           01.80 P 11;T 74,LE," BLOCKS WRITTEN", !:0
        ISZ MTA
                    /INDICATE NO ERROR.
ERROR, CDF CIF
                                                           11.01 C REWINDS THE TAPE.
        JMP I MTA
                                                           11.10 S Z=FADC(3546)+FADC(3534,265)+FADC(3538)
/MOVE.
        CALLED BY:
                                                           11.20 p 13
        JMS MOVE
                    /ACC CONTAINS FUNCTION IN BITS
                                                           13.01 IF (-FADC(3521))13.01,13.01;RR
                    /6-8.
         WORDCOUNT
                          /NEGATED INTERNALLY.
         CURRENT ADDRESS /-1 SUBTRACTED INTERNALLY
                                                           14.01 C WRITES A ONE-WORD BLOCK NUMBER RECORD.
         FIELD
                                                           14.10 S Z=FDXS(4096,I)+FDXS(4074,4095)+FDXS
         STATUS BIT PATTERN
                                                                    (4075, 4095)
        RETURN IF MASKED STATUS #0.
                                                           14.20 S Z-FADC (3534,289)+FADC (3538,8)
        RETURN IF MASKED STATUS =0.
                                                           14.36 D 13
MOVE,
        TAD UPD
                                                           15.01 C WRITES AN END-OF-FILE.
                                                           15.10 S Z=FADC(3534,297)+FADC(3538)
        MILC
        MTRS
                                                           15.20 D 13
        TAD M400
        SNA CLA
                     /SKIP IF TRANSPORT NOT
                                                          MAGTAPE FORMATTER FOR FOCAL S
                     /SETTLING.
        JMP .-3
        TAD I MOVE /WORDCOUNT
                                                           C-FOCAL S 1/71
        CIA
KCDF,
                                                           01.01 C GETS PARAMETERS FOR TAPE
        CDF
                                                           01.10 S BASE=4096+2048;L L,2048
        DCA I MIWC
                                                           01.18 T !"LENGTH OF TAPE IN FEET
        JMS MFIELD
                                                           01.20 A LE;S LE=(LE*2)-1;I (LE-4095)1.3;S LE-4095
        STA CLL
        TAD I MOVE /ADDRESS
                                                           01.30 D 11;S I=0;D 15;D 14;D 15;S I=1;D 14
                                                           01.40 S Z=FX(1,BASE,-1)+FX(1,BA+1,7)+FX(1,BA+2,0)+
        6.35
        DCA E ETCA
                                                                   FX(1,BA+3,0)
                                                           01.50 \text{ S Z=FX}(1,BA+4,-1)+FX}(1,BA+5,0)+FX}(1,BA+6,
        JMS MF181D
        TAD I MOVE /FIELD
                                                                   7-LE)
        ISZ MOVE
                                                           01.60 \text{ S } Z=FX(1,4074,3840)+FX(1,4075,BA-4696-1)
                                                           01.70 D 14.2;D 13;D 15;F I=2,LE;D 14;D 15
        MTGO
                                                           01.80 D 11;T 74,LE," BLOCKS WRITTEN",!;Q
        MITR
        JMP .-1
                                                           11.01 C REWINDS THE TAPE.
        MTRS
                                                           11.05 I (0*FX(2,3526)+FX(3,FX(2,3526),FX(10,1000))
        AND I MOVE /MASK
        ISZ MOVE
                                                                   ),11.1;R
                                                           11.10 S Z=FX(2,3534,265)+FX(2,3538)
        SNA CLA
                     /SKIP IF STATUS!MASK#0
                                                           11.20 D 13
        ISZ MOVE
        JMP I MOVE
                                                           10 \text{ I } (FX(3,FX(2,3526),1)+FX(3,FX(2,3526),1)
                                                                   -2)13.1;R
MFIELD, 0
        CDF
                                                           14,01 C WRITE A ONE-WORD BLOCK NUMBER RECORD.
        ISZ MOVE
                    /SAVE 1 LOCATION IN MOVE!
                                                           14.10 I (FX(1,64;;)+FX(1,4074,-1)+FX(1,4075,BA
        JMP I MFIELD
P3700,
         3700
                    /CONSTANT.
                                                                   -4096-1))
BLOCK,
         0
                                                           14.20 I (FX(2,3534,289) PX(2,3538,8))
                     /CONTAINS DESIRED BLOCK.
CDFCIF, CDF CIF
                                                           14.30 D 13
                     /CONSTANT.
UPD,
        421
                     /UNIT 0, ODD PARITY, 556
                     /BPIREAD COMMAND.
                                                           15,01 C WRITES AN END-OF-FILE.
M400,
        -400
                     /CONSTANT.
                                                           15.10 I (FX(2,3534,297)+FX(2,3538))
                                                           15.20 D 13
HALFBL, 0
                    /DECIDES ABOUT FINAL BLOCK
                     /LENGTH.
BLCNTR, 0
                    /COUNTS BLOCKS.
```



```
SERIAL HIGH-SPEED DATA-LINK FOR DP12 OR PT08
                                                                                /SET DATA FIELD TO ACCESS
                                                          PTPCDF, 0
  by J. Alderman
                                                                                /BUFFER
     Georgia Tech Research Reactor
                                                                  PTPEOF=PTPCDF
     900 Atlantic Drive, N.W.
                                                          PT7600, 7600
     Atlanta, Georgia 30318
                                                          PTPISZ. ISZ PTPWC
                                                                  JMP I PSETUP /LOOP FOR BUFFER SIZE
This Handler can be used in place of the CDR
                                                                                /(128 WORDS)
                                                          PTPRIN, TAD PTPEOF
Handler. The listing is given below.
                                                                   SZA CLA
                                                                                /DID WE RUN OUT OF TAPE?
/SERTAL HIGH-SPEED DATA LINK
                                                                  ISZ PTP
/EACH END MUST ECHO AS RECEIVING.
                                                                  ISZ PTP
                                                                            /EXIT CDF GOES HERE
                                                          PTPXIT, HLT
        TENDER INLEY < INDEV=6400 >
                                                                   JMP I PTP
        IFNDEF OUTDEV < OUTDEV=6410 >
                                                          PTPPCH, 0
        INSF=INDEV+1:INCC=INDEV+2:INRS=INDEV+4:
                                                                   OUTLS
          INRB=INDEV+6
                                                                   DCA PTMP
        OUTSF=OUTDEV+1;OUTCF=OUTDEV+2;
                                                                                /CLEAR OLD ECHO CHARACTER.
                                                                   TNCC
          OUTLS=OUTDEV+6
                                                                   TAD PIMP
        FIELD O
                                                                   AND (377
        *5600
                      /REPLACING CDR: HANDLER.
                                                                   CIA
        0
PTP.
                                                                   DCA PIMP1
        CLA CLL
                                                                   INSF
        TAD I PTP
                      /FUNCTION
                                                                   JMP .-1
                      /SKIP IF SENDING.
        SMA CLA
                                                                   INRB
        TAD (JMP PTRLP
                                                                   TAD PIMP1
        DCA PTPCNT
                      /EITHER A JMP, OR O.
                                                                                /SKIP IF SAME CHARACTER
                                                                   SZA CLA
                      /DO COMMON CRAP
        THS PSECTIP
                                                                                /ECHOED.
PTFLP, KSF
                                                                   JMP PTPERR
        JMP PTPCNT
                      /KEYBOARD FLAG OFF
                                                                   TAD PIMP
        KRS
                                                                   AND PT7400
                                                                   JMP I PTPPCH
        AND (177
                                                          PTPCA,
        TAD PTPM3
                                                                   n
        SZA CLA /IS THERE A +C IN THE TTY BUFFER?
                                                           PTR.
                                                                   0
                                                           PTRLP,
                                                                                /READ FIRST CHARACTER OF 3
        JMP PTPCNT
                      /NO
                                                                   JMS PTRGCH
PTPCIF, CDF CIF 0
                                                                   DCA I PTPCA
        JMP I PT7600
                                                                   JMS PTRGCH
                                                                   DCA PTPPCH
                      /O IF SENDING.
PTPCNT, JMP PTRLP
                                                                   JMS PTRGCH
        TAD I PTPCA
                      /FIRST CHAR IN LOW ORDER 8
        JMS PTPPCH
                                                                   RTL.
                      /BLIS OF WORD
                                                                   RTL
        DCA PTR
                                                                   DCA PTR
        ISZ PTPCA
                                                                   TAD PTR
PT7700, 7700
                      /SMA CLA, BUT JUST CLEARS ACC.
                                                                   AND PT7400
                                                                   TAD I PTPCA
        TAD I PTPCA
                                                                                /HIGH ORDER 4 BITS INTO WORD 1
        JMS PTPPCH
                      SECOND CHAR IN LOW ORDER 8
                                                                   DCA I PTPCA
                      /BITS OF WORD
                                                                   TAD PTR
                                                                                 GET THE CHAR FROM THE PTR
                                                                                 /BUFFER
        CLL RTR
       RTR
                                                                   RIL
        TAD PTR
                                                                   RTT.
                                                                   AND PT7400
        RTR
         RTR
                  THIRD CHARACTER NOW IN AC
                                                                   TAD PTPPCH
         JMS PTPPCH
                                                                   ISZ PTPCA
PTPEND, ISZ PTPCA
                                                           PT7400, 7400
                                                                   DCA I PTPCA /LOW ORDER 4 BITS INTO WORD 2
                  /JUST IN CASE WERE PUNCHING
PT70,
         70
                  /PG 7600 KEEP THIS
                                                                   JMP PTPEND
         JMP PTPISZ
                                                           PTRGCH, 0
PSETUP, 0
                                                                   INSF
                  /GET FIELD OF CALLING PROGRAM
                                                                                 /CHECK EOF.
                                                                   JMP PTRTST
         TAD PTPCIF
                                                                   INRB
                      /SET UP RETURN SEQUENCE
         DCA PTFXIT
                                                                                 /PRODUCE ECHC.
                                                                   OUTLS
         TAD 1 PTF
                                                                   JMP I PTRGCH /RETURN WITH CHARACTER
         AND PT70
                                                           PTRIST, KRS
                                                                                 1- TZ
         TAD PCDF
                                                                   TAD (-232
                                                                                 /SKIP IF EOF.
         DCA PTPCDF
                                                                   SZA CLA
         TAD I PTP
                      /GET FUNCTION WORD
                                                                   JMP PTRGCH+1 /LOOK AGAIP.
                                                                                 /PICKUP †Z.
         ISZ PTP
                                                                   JMP I PTRGCH
         AND PT7700
                      /SET UP - (WORD COUNT)/2-1
                                                           PTPERR, CLA CLL CML RAR /SIGNAL A "PERMANENT I/O
         CMA
                                                                                    /ERROR" ON TE
         DCA PTPWC
                      /SET UP STARTING ADDRESS
                                                                   JMP PTPXIT-1
         TAD I PTP
                                                           PCDF,
                                                                   CDF 0
         ISZ PTP
                                                           PTPWC, 0
         DCA PTPCA
```

```
PTPM3,
                                                                   ISZ PTP
       -3
PIMP.
                                                                   SPA
                                                                                /CHECK CORRECT MODE
                                                                                /SIGNAL "UNRECOVERABLE DEVICE
                                                                   JMP PTPERR
PTMP1,
        0
                                                                                /ERROR"
                                                                   AND PT7700
        *7576
                                                                   CMA
                                                                                /SET UP -(WORD COUNT)/2-1
        0220
                      /READ & WRITE, NON-DIRECTORY
                                                                   DCA PTPWC
                      /DEVICE.
                                                                   TAD I PTP
                                                                                /SET UP STARTING ADDRESS
        FIELD 1
                                                                   ISZ PTP
                      /SPECIFIC TO PS-8 6-NOV-70
        *1004
                                                                   DCA PTPCA
                      /RELEASE!
                                                                   TAD I PTP
        3°200+PTP-5600 /REPLACES CDR IN BLOCK 21
                                                          PTPCDF, 0
                                                                                /SET DATA FIELD TO ACCESS
        *602
                                                                                BUFFER
        7224
                  /LINK INSTEAD OF CDR
                                                                   PTPEOF=PTPCDF
        $
                                                                   SNA CLA
                                                                   SZL
LOW SPEED PTR: AND PTP: USING THE TELETYPE
                                                                   JMP PTPISZ
                                                                   TAD PTP336
                                                                                 /IMPUT INITIALIZATION - TYPE
  by J. Alderman
                                                                                /14 th
     Georgia Tech Research Reactor
     900 Atlantic Drive, N.W.
                                                                   TLS
     Atlanta, Georgia 30318
                                                                   KSF
                                                                   JMP
                                                                       .-1
                                                           PT7600, 7600
This Handler replaces the PTR/PTF Handler in
CONFIG for those people without the high-speed
                                                           PTPISZ, ISZ PTPWC
                                                                   JMP I PSETUP /LOOP FOR BUFFER SIZE (128
reader/punch.
                                                                                 /WORDS)
/PTR: & PTP: USING THETYPE
                                                           PTPRIN, TAD PTPEOF
                                                                                 /DID WE RUM OUT OF TAPE?
/FOR PEOPLE WHO HAVE NO STIGH SPEED PAPER TAPE.
                                                                   SZA CLA
                                                                   ISZ FTP
        FIELD 0
                                                                   ISZ PTP
        *6400
                                                           PTPXIT, HLT
                                                                             /EXIT CDF GOES HERE
        0
                                                                   JMP I PTP
PTP.
        CLA CLL CML
                      /SET LINK ON TO INDICATE
                                                           PTPPCH, 0
                      /PUNCH
                                                                   TLS
        JMS PSETUP
                      /DO COMMON CRAP
                                                                   TSF
                                                                                 /NOTICE THE GLORIOUS LACK OF
                                                                                 /OVERLAP
PTPLP, KSP
        JMP PTPCNT
                      /KEYBOARD FLAG OFF
                                                                   JMP .-1
                                                                   AND PT7400
        KRS
        ALD PTP177
                                                                    JMP I PTPPCH
                                                           PTPCA,
                                                                   0
        TAD PTPM3
        SZA CLA /IS THERE AT C IN THE TTY BUFFER?
                                                           PTR.
                                                                   0
                                                                                 /CORRECT ENTRY IN MAIN
         JMP PTPCNT
                      /NO
                                                                                 /ASSEMBLY
PIPCIF, CDF CIF 0
                                                                   CLA CLL
        JMP I PT7600
                                                                   TAD PTR
PTPCNT, TAD I PTPCA
                                                                   DCA PTP
         JMS PTPPCH /FIRST CHAR IN LOW ORDER 8
                                                                    JMS PSETUP
                                                                                 /SET UP ADDRESS, COUNT, FIELDS
                                                           PTRLP.
                      /bits of word
                                                                   JMS PTRGCH
                                                                                 /READ FIRST CHARACTER OF 3
        PCA PTR
                                                                    DCA I PTPCA
        ISZ PTFCA
                                                                    JMS PTRGCH
PT7700, 7700
                                                                    DCA PTPPCH
         TAD I PTPCA
                                                                    JMS PTRGCH
                      /SECOND CHAR IN LOW ORDER 8
         JMS PTPPCH
                                                                    RTL
                      /BITS OF WORD
                                                                    RTT.
        CLL RTR
                                                                    DCA PTR
         RTR
                                                                    TAD PTR
         TAD PTR
                                                                    AND PT7400
         RTR
                                                                    TAD I PTPCA
                                                                                 /HIGH ORDER 4 BITS INTO WORD 1
                  /THIRD CHARACTER NOW IN AC
                                                                    DCA I PTPCA
         RTR
                                                                                 /GET THE CHAR FROM THE PTR
         JMS PTPPCH
                                                                    TAD PTR
                                                                                 /BUFFER
PTPEND, ISZ PTPCA
                  JUST IN CASE WERE PUNCHING PG
         70
                                                                    RTL
PT70,
                  /7600 KEEP THIS
                                                                    RTL
                                                                    AND PT7400
         JMP PTPISZ
                                                                    TAD PTPPCH
PSETUP, 0
         RDF
                  /GET FIELD OF CALLING PROGRAM
                                                                    ISZ FTPCA
                                                           PT7400, 7400
         TAD PTPCIF
                      /SET UP RETURN SEQUENCE
                                                                    DCA I PTPCA /LOW ORDER 4 BITS INTO WORD 2
         DCA PTPXIT
                                                                    IMP PTPEND
         TAD I PTP
         AND PT70
                                                           PTRGCH, 0
         TAD PCDF
                                                                    TAD PTPEOF
                                                                    SNA CLA
         DCA PTPCDF
                       /GET LINK(1=PTP,0=PTR)
         RAR
                                                                    JMP I PTRGCH
                      /GET FUNCTION WORD
                                                                    CLA CLL CMA RTL
                                                                                        1-3
         TAD I PTP
```

```
DCA PTPEOF
        DCA PTR
                      /TIMEOUT LOOP FOR LOW SPEED
PITIME, ISZ PTR
                      /READER
        JMP PTP232
        ISZ PTPEOF
                      /TIMES OUT IN 132 MS (PDP 8/E)
                      /OR 205 MS
        JMP PTP232
        TAD PTP232
        JMF I PTRGCH /OVERFLOWED - PTPEOF IS NOW 0.
                      /RETURN
PTF232, 232
                      /WASTE SOME TIME
PTP177, 177
        KSF
        JMP PTTIME
                      /READER NOT READY - CONTINUE
                      /TIMEOUT
        KRB
        JMP I PTRGCH /RETURN WITH CHARACTER
PTPERR, CLA CLL CML RAR /SIGNAL A "PERMANENT I/O
                          /ERROR" ON TE
        JMP PTPXIT-2
PCDF .
        CDF 0
PTP336, 336
PIPUC,
        0
PTPM3.
        FIELD 1
        *1003
                      /SPECIFIC TO PS-8 5-NOV-70
                      /RELEASE!
        1+200+PTR-6400
PPP-12 LECTAPE CONVERT PROGRAM
  by J. Alderman
```

Georgia Tech Research Reactor 900 Atlantic Drive, N.W. Atlanta, Georgia 30318

For PDP-12 users a listing of the changes needed to convert DECtape by changing PRTC12-F to make it JATC12-F, (PRTC12-F doesn't do this for FS/8 or DM LINCtapes) is given below.

```
0365
     7770 H7,
0366
     0400
           K400.
                    400
            MODCP4, ADD P8FMT2 /PDP-12 to PDP-8
0367
     2653
0370
                    STC URILNG /READ 201 WORDS
     4630
0371
     2624
                    MUNGER DDA
                                /WRITE 201 WORD
0372 4632
                    STC WRINUM
                    ADD P8FMT1 /201 WORDS/BLOCK
0373
     2652
0374
     1040
                    STA
0375 2747
                    ADDINC:2000
0376 1020
                    LDA I
                    -16
0377
     7761
0400
     1040
                    STA
                    RDLTAN:2000
0401
     2066
0402 1040
                    STA
                    WDLTAN:2000
0403
     2037
0404
     0011
                    CI.R
0405
      0017
                    COM
0406
     1040
                    STA
                    RDEKEY 2000
0407
      2070
                                 /7777=READ FROM
                                 /LINCT
            APE
0410 1020
                    LDA I
0411
      7575
                    -202
0412
     1040
                    STA
                    WRIKEY:2000
0413
     2041
0414
     6616
                    JMP GO
            /2/5/71 FOR 201 BLOCK LINCTAFE
            /MODOP4 CHANGED.
```

```
Use of JATC12-F with PS/8 LTA:
```

```
LO JATC12-F,
2000 BLOCKS
В
      PS/8 LTA
      FROM UNIT 0
0
0
      1st BLOCK =0
      PDP-8 DTA
A
1
      UNIT 1
G
      1st BLOCK =0
      NO CHECK
O
702
      BLOCKS
В
0
2000
A
          SAME
2000
0
      BLOCKS
2000
      PDP-3 PS/8 DTA
A
1
      UNIT 1
G
      1st 3LOCK =0
В
      PS/8 LTA
      UNIT 0
Ω
0
      1st BLOCK =0
1
      CHECK PAPITY
702
A
1
2000
В
          SAME
0
2000
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With this issue we are circulating the first printing of the PS/8 Newsletter. In the future these newsletters will be sent to a special mailing list of PS/8 users only. This PS/8 list is now in the process of being compiled. Anyone interested in being added to this list should contact the DECUS office.

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TELEPHONE: Area Code 617, 897-5111, Ext. 2414 EDITOR: ANGELA J. COSSETTE, DECUS CIRCULATION: 10,500 PER ISSUE